

Appendix II. PhD degrees granted to students working in PBio labs, 1953-2010

Program	Student Last Name	Student First Name	Faculty Last Name	PhD Awarded	Dissertation Title
PBIO	Tang	Pei Chin	Ruch	12/1/1953	Brain stem control of micturition and respiration
PBIO	DeVito	June Logan	Amassian	12/1/1954	Central pathways subserving weight discrimination in monkeys
PBIO	Brady	Allan J.	Woodbury	6/1/1956	Effects of sodium and potassium on repolarization in frog ventricular fibers
PBIO	Cottle	Merva	Carlson	6/1/1956	Studies of thyroid gland function in rats exposed to cold
PBIO	Masuda	Minoru	Carlson	6/1/1956	Urinary ketosteroid excretion patterns in the adrenogenital syndrome and Cushing's syndrome
PBIO	Cottle	Walter	Carlson	8/1/1957	Changes in overall and cellular metabolism to cold
PBIO	Waller	Hardress J.	Patton	12/1/1957	Effects of spatial and temporal stimulus variables on the activity of single reticular neurons
PBIO	Elsner	Robert W.	Carlson	6/1/1959	Circulatory correlates of fitness for muscular exercise
PBIO	Bustad, DVM	Leo K.	Carlson	6/1/1960	Physiological responses to low level radiation in mice
PBIO	Brown	Arthur C.	Young	6/1/1960	Analysis of the myotatic reflex
PBIO	Jabbur, MD	Suhayl J.	Patton	12/1/1960	Corticofugal excitatory and inhibitory influences and their pathways on neurons of the dors columns in the cat
PBIO	Kaufman	William C.	Carlson	6/1/1961	Pulmonary and vascular changes with pressure breathing
PBIO	Wiederhielm	Curt A. R.	Rushmer	8/1/1961	The time course of reactive hyperemia and its relation to the causative mechanism on experimental study
PBIO	Eagan	Charles J.	Carlson	12/1/1961	Unilateral cold adaptation in man and the rabbit
PBIO	Adams	Thomas	Carlson	8/1/1962	The hypothalamic control of body temperature
PBIO	Smith	Robert Elphin	Carlson	12/1/1962	Analysis of the myotatic reflex in flexor muscles
PBIO	Morse	Russell W.	Towe	3/1/1964	Population and modality characteristics of neurons in the coronal cortex of cats
PBIO	McKenney	Joel R.	Brown	3/1/1965	Calcium and phosphate transport across the isolated intestine of rat
PBIO	Hildebrandt	Jacob	Young	3/1/1966	Mechanical properties of mammalian lung
PBIO	Van Hassel, DDS	Henry J.	Brown	6/1/1966	Cortical potentials evoked by electrical stimulation of the dental pulp
PBIO	Crichlow	Eugene	Kennedy	6/1/1966	Functional characteristics of neurons in the lateral nebular nucleus of the medulla, with reference to somatotopic localization in the cerebellum
PBIO	Humphrey	Donald	Smith	6/1/1966	Regions of the medulla oblongata mediating carotid sinus baroreceptor reflexes; an electrophysiologic study
PBIO	Hildebrandt	Judith Rose	Stevens	6/1/1966	An analysis of intracellular potentials from respiratory neurons
PBIO	Talbott	Richard E.	Towe	8/1/1966	Subpopulation of cerebellar neurons
PBIO	Ito	Cyril S.	Scher	12/1/1966	Carotid sinus reflex control of peripheral vascular resistance
PBIO	Zimmerman	Irwin D.	Towe	12/1/1966	Multiple representation of the body surface in the cerebral cortex of the squirrel monkey, <i>Saimiri sciurea</i>
PBIO	Calvin	William H.	Stevens	12/1/1966	Motoneuron input-output mechanisms; analysis by intracellular recording
PBIO	Clarke, DVM	Neville P.	Smith	6/1/1967	Topographical representation of vascular smooth muscle of limbs in primate motor cortex
PBIO	Harris	Frederic A.	Towe	6/1/1967	Neuronal population analysis of evoked single unit activity in nucleus ventralis posterior of the cat thalamus
PBIO	Brengelmann	George	Brown	6/1/1967	Human temperature regulation: dynamic characteristics of metabolic response

PBIO	Whitehorn	David	Towe	3/1/1968	An intracellular investigation of functionally separable cell groups in the sensorimotor cortex of the cat
PBIO	Williams, MD	John A.	Woodbury	8/1/1968	Electrical properties of thyroid membranes in the perfused rabbit thyroid gland
PBIO	Franz	Gunter N.	Scher	8/1/1968	Experimental and theoretical studies of the properties of baroreceptors
PBIO	Reid	Kenneth H.	Towe	12/1/1968	Dermatomes and innervation density in the cat's tail
PBIO	Mackey	Michael C.	Woodbury	3/1/1969	Excitable membrane models: statistical mechanical analysis of current-electric field
PBIO	White	Stephen H.	Woodbury	3/1/1969	A study of the specific capacitance of black lipid membranes
PBIO	Nyquist	Judith K.	Towe	6/1/1969	Single unit study of precruciate cortex of the cat
PBIO	Sparks	Sam L.	Towe	6/1/1969	The insect tympanal organ as an acoustic communication receiver
PBIO	Anderson	Marjorie E.	Patton	6/1/1969	An electro-physiological study of efferent cell groups in red nucleus of the cat
PBIO	Kastella	Kenneth G.	Brown	6/1/1969	Effect of hypothalamic thermal pattern on systemic cardiovascular response
PBIO	Raush	Jeanne A.	Kennedy	8/1/1969	Electrophysiology of the external cuneate nucleus in the cat
PBIO	Hardy	William L.	Woodbury	12/18/1969	Propagation speed in myelinated dependence on external sodium
PBIO	McLeod	Dorothy L.	Kennedy	6/13/1970	Electrophysiological study of cells in the dentate and interpositus nuclei of the cat
PBIO	Magleby	Karl L.	Crill	8/21/1970	An analysis of facilitation of end-plate potentials at the frog neuromuscular junction
PBIO	Izutsu	Kenneth T.	Woodbury	8/21/1970	Intracellular pH of frog skeletal muscle using the DMO method
NEUBEH	Woods	Stephen C.	Kennedy	8/21/1970	Mechanisms of conditioned hypoglycemia
NEUBEH	Gestrin	Phyllis J.	Teller	8/21/1970	Changes of temporal summation during light and dark adaptation
NEUBEH	Walike	Barbara Callen	OA Smith	3/19/1971	Regulation of food intake during cross circulation of monkeys
PBIO	Moseley	John I.	Calvin	6/1/1971	The effect of localized hypothermia on normal and epileptic cerebral cortex
PBIO	Stromberg	Don Darold	Wiederhielm	6/12/1971	An analysis of pressure distribution in the surface arterial supply to the parietal cortex of the cat
PBIO	Maughan	David W.	Woodbury	8/20/1971	Voltage clamp analysis of slowly changing membrane currents in <i>Rana catesbiana</i> atrial trabecula
PBIO	Godt	Robert E.	Gordon	8/20/1971	Ca ⁺⁺ -activated tension of skinned muscle fibers: dependence on MgATP concentration
PBIO	Kerrick	W. Glenn	Scher	8/20/1971	The pressure response to volume forcing in the turtle ventricle
NEUBEH	Beaton	Randal	Miller	1/12/1972	Correlation of stimulus-controlled behavioral alterations with single cell activity recorded from the auditory cortex of awake and unanesthetized Rhesus monkeys
PBIO	Randall	David C.	Smith	3/1/1972	Right and left ventricular myocardial contraction during exercise and emotional conditions in the non-human primate
PBIO	Woodhull	Ann	Hille	6/1/1972	Ionic blockage of sodium permeability in voltage clamped frog nerve
PBIO	Barrett	Ellen	Stevens	6/1/1972	Time course and transmitter release at the frog neuromuscular junction
PBIO	Barrett	John N.	Crill	8/1/1972	The passive properties of cat motoneurons and their influence on the effectiveness of dendritic synapses
PBIO	Schwindt	Peter C.	Calvin	8/1/1972	The nature of the mechanism underlying rhythmic firing in cat spinal motoneurons
NEUBEH	Woodhull	Albert	Teller	8/1/1972	Psychometric functions, Weber functions, and spatial summation in human vision
PBIO	Halbert	Sheridan A.	Conrad	12/1/1972	The mesotubarium superius of the rabbit: a model for physiological investigations of reproductive smooth muscle
PBIO	Fox	James R.	Wiederhielm	12/1/1972	Microvascular blood pressures and dimensions in the wing of the intact, unanesthetized bat
PBIO	Toivola	Pertti	Gale	12/1/1972	Hypothalamic monoaminergic mechanisms in the regulation of growth hormone secretion in baboons
PBIO	Anderson	Charles	Stevens	3/1/1973	Conductance and relaxation kinetics of acetylcholine sensitive ionic channels
PBIO	Graubard	Katherine	Stevens	3/1/1973	Morphological and electronic properties of identified neurons of the mollusc, <i>Aplysia californica</i>
NEUBEH	Ryan	Allen F.	Miller	3/1/1973	Single unit responses in the inferior colliculus and medial geniculate nucleus of awake and responding Rhesus monkeys
NEUBEH	Marshall	Leslie	OA Smith	3/1/1973	Prefrontal influence on conditional suppression and associated cardiovascular responses in the monkey
PBIO	Hestenes	John	Woodbury	6/1/1973	Interactions among anions in frog sartorius muscle membrane

PBIO	Donaldson	Sue	Gordon	6/1/1973	Characterization of the effect of Mg ²⁺ on Ca ²⁺ and Sr ²⁺ - activated tension generation of skeletal muscle
NEUBEH	Blair	Claudia	Luschei	6/1/1973	Excitability of the masseter muscle during learned jaw movement of the monkey
PBIO	Ridaura	Roslia	Hille	8/1/1973	Ionic selectivity of nystatin pores in black lipid membrane
PBIO	Partridge	Donald	Stevens	8/1/1973	A mechanism for spike frequency adaptation
NEUBEH	Blick	Dennis	Makous	12/1/1973	Response to near-threshold incremental flashes of single neurons in the macaque lateral geniculate nucleus
PBIO	Cahalan	Michael	Hille	6/1/1974	Modifications of sodium channel gating by neurotoxins
PBIO	Beam	Kurt	Stevens	6/1/1974	A quantitative description of pharmacologically modified endplate currents
PBIO	Proppe	Duane	Brengelmann	6/1/1974	Control of hind limb blood flow and heart rate in the heat stressed baboon
PBIO	Harms	Verna	Stirling	6/1/1974	The uptake of adenosine tri-phosphate and related compounds by in vitro rabbit ileum
PBIO	Lewis	Steven	Scher	6/1/1974	A comparison of the awake baboon's ventilatory response to systematically administered and inhaled CO ₂
PBIO	Courtney	Kenneth	Hille	8/1/1974	Frequency dependent inhibition of sodium currents in frog myelinated nerve by GEA-968, a new lidocaine derivative
PBIO	Campbell	Donald	Hille	8/1/1974	Ionic selectivity of the sodium channel of frog muscle
PBIO	Best	Philip	Kerrick	8/1/1974	Cardiac muscle contractility: effects of Mg ATP ₂
NEUBEH	Blair	Martha RL	OA Smith	8/1/1974	Effect of Sidman avoidance on plasma renin activity in baboons
PBIO	Heath	Milan	Gordon	12/1/1974	Electrical properties of frog atrial trabeculae following injury
PBIO	Kao, MD	Luke Ing	Gordon	12/1/1974	Mechanism of insulin-induced paralysis in muscles from potassium-depleted rats--an animal model of hypokalemic periodic paralysis
NEUBEH	Soso	Michael J.	Fetz	3/1/1975	Responses of postcentral cortex cells during active and passive movements
PBIO	Magid	Alan	Gordon	6/1/1975	The relationship of MgATP to force generation in striated muscle
PBIO	Williamson, MD	Timothy L	Crill	6/1/1975	The convulsant action of pentylentetrazol on molluscan neurons
PBIO	Rowlands	John F	Crill	8/1/1975	The excitatory and inhibitory events following evoked multiple-spiked responses in neurons of the cat inferior olive nucleus
PBIO	Satterthwaite	William R.	Towe	3/1/1976	Feline pericruciate cerebral neurons activated by electrical stimulation of the ventral medulla
MSTP	Ruff	Robert Louis	Crill	6/1/1976	A quantitative analysis of loc anesthetic alteration of miniature endplate currents and endplate current fluctuations
PBIO	Clark	R. William	Luschei	6/1/1976	Recruitment order, contractile characteristics and firing patterns of motor units in the temporalis muscle of monkeys
PBIO	Shaver	Joan Louise	Stirling	6/1/1976	Ouabain Binding to Kidney tubules in rabbit
PBIO	Lisberger	Stephen G.	Fuchs	8/1/1976	Responses of Flocculus Purkinj cells and mossy fibers during smooth eye movements evoked by visual and vestibular stimuli in behaving monkey
PBIO	Stephenson	Robert	Brown	12/1/1976	Influence of behavior on the regulation of heart rate by the baroreceptor reflex
PBIO	King	William Michael	Fuchs	12/1/1976	Quantitative analysis of the activity of neurons in the accessory oculomotor nuclei and the mesencephalic reticular formation of alert monkeys in relation to vertical eye movements induced by visual and vestibular stimulation
PBIO	Robertson	Steven	Donaldson	3/1/1977	pH Dependence of calcium-activated tension of skinned skeletal muscle fibers
PBIO	O'Connor	Thomas A.	Miller	6/1/1977	Intensity functions of cortical auditory neurons in the awake monkey
PBIO	Chiu	Shing-Yan	Hille	8/1/1977	Inactivation of sodium channel second order kinetics in myelinated nerve
PBIO	Eisman	Martin Michael	Rowell	8/1/1977	Renal vascular response to hyperthermia in the baboon. Role of renin angiotensin
PBIO	Dum	Richard Paul	Kennedy	8/1/1977	The physiological histochemical characteristics of motor units fibralis anterior extensor digitorum of the cat
PBIO	Lewis	Carol	Gordon	8/1/1977	Ion permeation through acetylcholine-activated channel at the frog neuromuscular junction
NEUBEH	Smith	Stephen J.	Almers	8/1/1977	The mechanism of bursting pacemaker activity in neurons of the mollusc Tritonia Diomedea
NEUBEH	Parker	Lorne	M. Smith	8/1/1977	Conditioned tolerance to the narcotic effects of ethanol in rats

PBIO	Wyss	Craig	Rowell	12/1/1977	Systemic Pressure-volume relationship in the dog linearity low frequency dynamic behavior effect of capillary filtration & effect of active changes in splenic volume
PBIO	Jacky	John	Hildebrandt	12/1/1977	Ventilatory responses to inhaled CO2 during sleep in the infant primate
PBIO	Hohimer	Roger	Smith	12/1/1977	Decreased renal blood flow in the baboon during mild, dynamic leg exercise
PBIO	Krasner	Brian	Kerrick	12/1/1977	Isometric tension response of 'skinned' rabbit soleus muscle fibers to nucleoside triphosphate in the absence of calcium effects of [mg2+], pH, & [K+]
PBIO	Cunningham	Suzanna	Feigl	12/1/1977	Carotid sinus reflex influence on plasma renin activity
NEUBEH	Hoffman	Donna	Luschei	12/1/1977	Responses of monkey precentral cortical cells during a controlled jaw bite task
NEUBEH	Schnapf	Julie L.	Makous	1/1/1978	Light adaptation in the distal retina
PBIO	Secrist	Diane	Kerrick	10/1/1978	Cross-innervation effects on activation properties, stoichiometric relationships, and fi
PBIO	Spalding	Bruce	Hille	12/1/1978	Chemical modification of sodium channels
PBIO	Evinger	Craig	Fuchs	12/1/1978	Saccadic eye movements in the cat: Behavioral and neurophysiological studies
PBIO	Pappone	Pamela	Almers	3/1/1979	Voltage-clamp experiments in normal and denervated mammalian skeletal muscle fibers
PBIO	Leidy, Jr.	Bill	Koerker	6/1/1979	Effect of lysosomal protease inhibitors on skeletal muscle proteolysis in vitro
MSTP	Cook	Daniel	Crill	2/1/1980	Islet cell electrical activation: voltage dependence of plateau
NEUBEH	Mangiapane	Michael	simpson	5/1/1980	Cardiovascular and behavioral actions of angiotensin II at the subfornical organ and opti-recess of the rat
PBIO	Beck	Kenneth	Hildebrandt	6/1/1980	Pressure-flow hysteresis in the pulmonary vasculature
PBIO	Chubb	M. Carroll	Fuchs	12/1/1980	Neuronal activity in the dentate nucleus and y-group related to eye movements and vestibular stimulation
PBIO	Ardell	Jeffrey	Scher	12/1/1980	The effects of arterial baro receptor denervation on the cardiovascular response to exercise
PBIO	Miller	Francis	Koerker	12/18/1980	Effects of thyrotropin releasing hormone, thyroxine, triiodothyne and inhibitors of thyroxydiodination on in vitro section of growth hormone and thyrotropin by pituitaries on normal and thyroidectomize
NEUBEH	Videen	Tom	Towe	4/9/1981	Organization of visual input in the cat's pericruciate cortex
PBIO	Averill	David	Scher	6/1/1981	Vasoconstrictor action of angensin II during hemorrhage in baroreceptor denervated dogs
PBIO	Blatz	Andrew	Hille	3/1/1982	Modification of skeletal muscle potassium channels by low pH and chemical modifiers
PBIO	Rubin	Andrew L.	Stahl	3/31/1982	Biochemical and morphological studies of the (Na+, K+) ATP ase from the central nervous system of the hawk moth, Manduca sexta
PBIO	Lucas	Sylvia	Binder	6/1/1982	Topographic weighting of synaptic input from homonymous group Ia afferents to medial gastrocnemius motoneurons of the cat
PBIO	Osborn	Connie	Binder	8/1/1982	Influence of muscle topogra on the behavior of muscle spindles and tendon organs
PBIO	Horak	Fay M.	Anderson	8/1/1982	Effects of lesions and micro stimulation in globus pallidus on arm movements in monkeys
PBIO	Sawyer	Suzanne	Fetz	8/1/1982	Output effects from monkey cortex on single forelimb
PBIO	Burnham	Jane	Stirling	12/16/1982	Na, K pump site localization in the inner ear of the frog
PBIO	Hobbs	Stuart	Rowell	12/16/1982	The role of centrally generated neural activity in initiating cardiovascular responses to static muscle contractions in baboons
NEUBEH	Powers	Randal	Binder	12/16/1982	Analysis of polysynaptic group I input to the cat medial gastrocnemius motoneuron pool
PBIO	McCleskey	Edwin	Almers	3/18/1983	Pharmacological comparison of calcuim channels & excitation Contraction coupling
MSTP	Tribble	Guy	Schwindt	6/10/1983	The reduction in inhibition necessary for production of convulsant induced seizures in the cat
NEUBEH	Surmeier	Jim	Towe	7/27/1983	Response properties of neurons in the cuneate nucleus of the cat: A Wiener kernal analysis
PBIO	Ito	Bruce	Feigl	12/15/1983	Carotid baroreceptor and chemoreceptor reflex control of the coronary neurons
PBIO	Kroll	Keith	Feigl	12/15/1983	The role of adenosine in the regulation of coronary blood flow in the unstress heart
PBIO	Weinberg	Richard	Towe	12/15/1983	Transmission failure in cat cuneate nucleus druing repetitive stimulation

					of peripheral nerves
PBIO	Pech	Irene	Stahl	12/15/1983	Development of GABA-ergic neurons in primary cultures of rat retina
NEUBEH	West	David	Woods	1/3/1984	Abnormal perinatal and infant nutrition as a cause of obesity – development of an animal model
PBIO	Kargacin	Gary	Detwiler	3/16/1984	Studies of the light evoked contraction of the photo-sensitive iris of the frog
MSTP	Combs	C. Andrew	OA Smith	4/16/1984	Renal and Hindlimb Baroreflex Responses in Baboons at Rest and During Various Behaviors
PBIO	Stothert	Joseph	Hildebrandt	8/1/1984	Origins and characteristics of lymph from the caudal media-stinal node of goats with chronically implanted lymph fistulas
PBIO	Sutro	Jeffrey	Hille	8/17/1984	Kinetics of veratridine action on Na channels of skeletal muscle
NEUBEH	Miller	Margaret	Steiner	12/13/1984	Endogenous Opioid and Noradrenergic Pathways in the Regulation of Pulsatile' Luteinizing Hormone Secretion
PBIO	Bodoia	Rodger	Detwiler	3/22/1985	Power spectral characterizations of the light sensitive channel of retinal rods from patch clamp recordings
PBIO	Rooke	Alec	Feigl	3/22/1985	Stroke volume and contractility as correlates of canine left ventricular oxygen consumption
PBIO	Stafstrom	Carl	Crill	6/15/1985	Membrane properties, firing characteristics and ionic currents of Layer V neurons from cat neocortex recorded in vitro
PBIO	Bond	Eleanor (Lynn)	Gordon	8/23/1985	Insulin-induced muscle membrane changes in a rat model for hypopalemic periodic paralysis
NEUBEH	Scudder	Charlie	Fuchs	8/23/1985	Functional Identification and Characteristics of Saccadic Inhibitory Burst Neurons in the Behaving Monkey
PBIO	Alexander	Mark	Steiner	8/22/1986	Vasoactive intestinal peptide: its role in the central regulation of pulsatile luteinizing hormone secretion
NEUBEH	Taube	Jeffrey	Schwartzkroin	8/22/1986	Investigations Into the Mechanisms Underlying Long-Term Potentiation in the Hippocampus.
PBIO	Heckman	C. J.	Binder	12/18/1986	Analysis of steady-state synaptic potentials and synaptic currents in cat motoneurons
PBIO	Laszewski	Barbara	Gordon	12/18/1986	Variations in calcium sensitivity, maximum shortening velocity and protein composition in histochemically-typed muscle fibers of the rat
PBIO	Huang	Alice	Feigl	12/29/1986	Maintenance of a uniform transmural distribution of coronary blood flow by adrenergic vaso constriction during exercise
PBIO	Sheriff	Don	Rowell	8/21/1987	The roles of arterial baroreflexes and oxygen delivery in the pressor responses to graded muscle ischemia in exercising dogs
PBIO	Pfaffinger	Paul	Hille	12/17/1987	Role of GTP-binding receptor-mediated control of postassium channels
NEUBEH	Rogers	Kimberly V-G	Steiner	12/17/1987	The role of growth hormone in the feedback regulation of somatostatin gene expression in the central nervous system
PBIO	Sather	William	Detwiler	3/18/1988	Phototransduction in detached rod outer segments
NEUBEH	McFarland	Jenny	Fuchs	6/10/1988	The role of the nucleus pre-positus hypoglossi and the adjacent medial vestibular nucleus in the control of horizontal eye movement in the behaving monkey
PBIO	Lindsay	Amy	Binder	12/1/1988	Distribution of recurrent inhibition within a cat motoneuron pool
PBIO	Van Winkle	Donna	Feigl	12/15/1988	Cholinergic control of the coronary circulation in dogs and baboons
PBIO	Haglund	Michael	Schwartzkroin	3/15/1989	The roles of potassium regulation and inhibitory post-synaptic potentials in seizures and spreading depression
PBIO	Adams	Lizbeth	Steiner	8/18/1989	Regulation of GnRH and POME gene expression in the primate brain
PBIO	Smith	Wade	Fetz	8/18/1989	Synaptic interactions between identified motor cortex neurons in the active primate
PBIO	Mendelowitz	David	Scher	12/14/1989	Pulsatile pressure prevents rapid baroreflex resetting
PBIO	Reece	Laura	Schwartzkroin	3/16/1990	Cholinergic effects on developing hippocampal neurons in vitro
PBIO	Reyes	Alex	Fetz	6/8/1990	Effects of brief depolarization pulses on the firing rate of cat neocortical neurons
PBIO	Allen	Taylor	Gordon	8/17/1990	Structural changes in tropoin-C during the activation demembrated fibers of rabbit psoas muscle
PBIO	Chowen	Julie	Steiner	8/17/1990	Testosterone and developmental regulation of neuropeptide gene expression in the rat brain

PBIO	Heuer	Josef	Bothwell	8/17/1990	In situ localization of nerve growth factor receptor and fibroblast growth factor receptor mRNA in chick embryos and regenerating muscle
PBIO	Ertel	Eric	Detwiler	12/1/1990	Phototransduction in excise patches of vertebrate rod outer segments
PBIO	Thompson	Susan	Bothwell	6/14/1991	Expression of nerve growth factor receptor in neural and non-neural tissues
PBIO	Yang	Jian	Hille	6/14/1991	Biophysical characterization of 5-HT ₃ receptor channels
NEUBEH	Canady	Karen	Rubel	6/14/1991	Regulation of Astrocytic Structure by Neuronal Activity.
PBIO	Herrmann	Steven	Feigl	8/23/1991	The effects of adrenergic blockade in adenosine and coronary blood flow during hypoxia
NEUBEH	Turner	Robert	Anderson	8/23/1991	Movement- and Instruction-Related Activity in the Globus Pallidus of the Monkey.
PBIO	Wiemann	Jeffrey	Steiner	12/19/1991	Regulation of neuroendocrine genes governing reproduction in the male rat
PBIO	Viana	Felix	Berger	6/12/1992	Postnatal changes in mammal hypoglossal motoneuron membrane and firing properties recorded in vitro
NEUBEH	Dahl	Kitty	Bolles	6/12/1992	Phase-Typing Seasonal Affective Disorder Using a Constant Routine.
PBIO	Davis	Anna	Carlson	8/21/1992	Immunolocalization and biochemical characterization of T1-epitope bearing chondroitin sulfate proteoglycans from skeletal muscle and retina
PBIO	Buckmaster	Paul	Schwartzkroin	12/18/1992	Somatostatinergic neurons and mossy cells of the dentate gyrus
PBIO	Wollmuth	Lonnie	Hille	12/18/1992	Ionic selectivity and permeation of I _h channels of rod photoreceptors in tiger salamanders
NEUBEH	Phillips	James	Fuchs	3/19/1993	Brainstem Control of Coordinated Eye and Head Movement: Neuroanatomical, Behavioral, and Physiological Studies in the Monkey.
PBIO	Chen	Dao-fen	Fetz	6/11/1993	Synaptic interactions between primate cortical neurons revealed by in vivo intra-cellular potentials
PBIO	Miyashiro	Jody	Feigl	6/11/1993	Combined feedforward and feedback control of coronary blood flow
NEUBEH	Patterson	Susan	Bothwell	8/20/1993	Pathological and Physiological Events Controlling Expression of Neurotrophic Factors in the Central Nervous System.
NEUBEH	Westcott	Sarah	Binder	8/20/1993	Comparison of Vestibulospinal Synaptic Input and Ia Afferent Synaptic Input in Cat Triceps Surae Motoneurons.
PBIO	Marks	Daniel	Steiner	12/16/1993	Regulation of galanin gene expression in gonadotropin releasing hormone neurons
PBIO	Hunt	Alan	Howard	12/16/1993	Mechanical and force generation properties of the molecular motor kinesin
PBIO	Murthy	Venkatesh	Fetz	3/18/1994	Synchronous oscillatory activity in sensorimotor cortex of awake monkeys
PBIO	Burton	Kimberly	Steiner	3/18/1994	The neuroendocrine control of growth hormone (GH) secretion: Role of GH feedback and galanin cotransmission
PBIO	Garden	Gwenn	Bothwell	3/18/1994	The regulation of RNA and protein synthesis during neuronal death
NEUBEH	Swank	Michael	Bernstein	8/19/1994	Localization of Bzip Proteins in Brainstem Areas of the Rat Involved in Taste Aversion Learning-a Possible Molecular Mechanism of Learning.
PBIO	Mates	Elizabeth	Hlastala	12/15/1994	Analysis of gas exchange during partial liquid ventilation in health and disease
PBIO	Savage	Margaret	Brengelmann	12/15/1994	Control of skin blood flow in the neutral zone of human temperature regulation
PBIO	Lee	Andy	Almers	3/17/1995	Calcium homeostasis and secretion in rat melanotroph
PBIO	Ngai	Al	Winn	3/17/1995	Flow-induced responses of cerebral arterioles: in vitro and in vivo studies
PBIO	Li	Min-Hui	Hlastala	3/17/1995	Transpleural gas diffusion
PBIO	Park	Young Bae	Hille	3/17/1995	Ion selectivity and gating of small conductance calcium-activated potassium channels and calcium clearance mechanisms in rat adrenal chromaffin cells
MSTP	Greene	Charles	Crill	6/9/1995	Properties and ion mechanisms of a metabotropic glutamate receptor mediated after depolarization in layer V neocortical neurons
NEUBEH	Park	Collin	Woods	6/9/1995	A Behavioral and Electrophysiological Study on The effect of Dietary Fatty Acids.
PBIO	Scranton	Todd	Carlson	8/18/1995	Biochemical characterization of a synaptic vesicle proteoglycan and evidence for its role as a nerve terminal extracellular matrix receptor
PBIO	Zirpel	Lance	Rubel	8/18/1995	Afferent regulation of intracellular calcium in cochlear nucleus neurons
PBIO	Parkis	Marjorie	Berger	3/15/1996	Adrenergic modulation of ionic currents in tounge motoneurons

NEUBEH	Taylor	Elsie	Diaz	3/15/1996	An Animal Model of a Developmental Lesion Caused by Gestational Diabetes.
PBIO	Owens	James	Schwartzkroin	6/7/1996	Effects of normothermic and the hyperthermic hypoxia on the immature rat: an acute modulatory role of eicosanoids
PBIO	Emery	Michael	Hlastala	6/7/1996	Intrapulmonary ventilation distribution
PBIO	Anderson	Will	Stahl	8/16/1996	Alterations in Na, K-ATPase subunit isoforms among neur and glia of rat hippocampus
PBIO	Barton-Davis	Beth	Kushmerick	12/19/1996	Characterization of a novel model of muscle plasticity: stimulation-enhanced fiber transformation in an isolated fast skeletal muscle
PBIO	Van Bibber	D. Richard	Feigl	3/21/1997	Adenosine and coronary vasodilation during adrenergic stimulation
PBIO	Billiard	Julia	Hille	3/21/1997	New stimulators and a new mechanism of regulated secretion in pituitary gonadotropes
PBIO	Pong	Milton	Fuchs	6/13/1997	The pupillary light reflex in the rhesus monkey
PBIO	Fodor	Anthony	Zagotta	12/18/1997	Block of Cyclic Nucleotide-Gated Channels by Local Anesthetics and Related Compounds
PBIO	Sunderland	William	Carlson	6/12/1998	Nerve terminal protein complexes in the cholinergic synapse
PBIO	Singer	Josh	Berger	8/21/1998	Postnatal development of glycinergic synaptic transmission and biophysical properties of glycine receptor-channels
PBIO	Nettleton	Jilda	Spain	11/19/1998	Summation of AMPA-Mediated EPSPs in rat neocortical pyramidal neurons
PBIO	Russell	Tony	Carlson	11/20/1998	Neurexin as a protien component of specialized cell domains in the nervous system
MSTP	Coy	David	Howard	11/24/1998	The activation and chemomechanical stoichiometry of cargo-loaded kinesin
PBIO	Hutson	Lara	Bothwell	12/4/1998	Life and death in the developing Xenopus retina: the role of the p75 neurotrophin receptor
PBIO	Sunderman	Elizabeth	Zagotta	12/17/1998	Single channel kinetic analysis of cyclic nucleotide-gated channels
MSTP	Cheung	Clement	Steiner	8/20/1999	Leptin Regulation of Reproductive Physiology and Neuropeptide Gene Expression
NEUBEH	Woolley	Sarah	Rubel	8/20/1999	Auditory feedback and song behavior in adult Bengalese finches
NEUBEH	Goode	Christoper	Rubel	12/16/1999	The development and recovery of vestibular reflexes in the domestic chicken
MSTP	Oakley	John	Crill	12/16/1999	The role of Ca ²⁺ spikes in neocortical pyramidal cell dendrites: implications for the transduction of dendritic current into spike output.
PBIO	Musick	James	Binder	12/16/1999	Factors underlying spike-frequency adaptation in rat hypoglossal motoneurons
PBIO	Wender	Regina	Ransom	6/9/2000	Astrocyte-axon interactions in central white matter energy metabolism: the roles of glycogen and lactate
PBIO	O'Brien	Jennifer	Berger	6/9/2000	Synaptic cotransmission to hypoglossal motoneurons
PBIO	Ginkel	Laura	Wordeman	8/18/2000	Characterization of kinesin-related proteins in differentiating and adult skeletal muscle
MCB	Gunther	Erik	Bothwell	12/14/2000	Molecular mechanisms of brain derived neurotrophic factor secretion and action
MSTP	Linton	Shannon	Crill	12/14/2000	Metabotropic pathways involved in the generation of an afterdepolarization in layer V pyramidal neurons
NEUBEH	Hohmann	John	Steiner	3/16/2001	Galanin transgenic mice - how the brain copes with chronically altered levels of a neuropeptide
PBIO	Maney	R. Todd	Wordeman	3/16/2001	A functional analysis of mitotic centromere-associated kinesin
NEUBEH	Monsivais	Pablo	Rubel	6/8/2001	Inhibitory feedback in the avian auditory system
PBIO	Chang	Hung	Hlastala	8/17/2001	Spatial distribution of ventilation and perfusion in the lateral decubitus posture
PBIO	Karam	Sana	Bothwell	8/17/2001	Mechanisms of Pattern Formation in the Developing Cerebellum: Role for the Eph Receptor Gene Family
MCB	Sawhney	Ravi	Howard	12/20/2001	Timecourse, dynamics, stability, and molecular determinants of fibroblast-traction-mediated collagen patterning
NEUBEH	Roitman	Jamie	Shadlen	3/22/2002	Neural Mechanisms responsible for decisions about stochastic motion stimuli
MCB	Matulef	Kim	Zagotta	6/14/2002	Gating and gluing the ligand-binding domains of cyclic nucleotide-gated channels
PBIO	Crowther	Gregory	Kushmerick	6/14/2002	An analysis of metabolic fluxes in contracting human skeletal muscle
PBIO	Hunter	Andrew	Wordeman	8/23/2002	Coupling of ATP Hydrolysis to Microtubule Depolymerization by Mitotic Centromere-Associated Kinesin
PBIO	Kim	Kerry	Rieke	8/23/2002	Sites and mechanisms of temporal contrast adaptation in the salamander retina

PBIO	Molea	David	Rubel	12/19/2002	Development of the Avian Inner Ear and Acoustic-Vestibular Ganglion and Their Connection to the Primary Auditory Brainstem Nuclei
PBIO	Eggers	Erika	Berger	3/21/2003	Ethanol modulation of glycine receptors from hypoglossal motoneurons
NEUBEH	Cunningham	Matt	Steiner	6/13/2003	Endocrine and metabolic regulators of galanin-like peptide gene expression
MCB	Wiley	Jesse	Bothwell	6/15/2003	Familial alzheimer's disease mutations decrease gamma-secretase processing of beta amyloid precursor protein.
PBIO	Hopp	Judy (Jo)	Fuchs	6/11/2004	Localizing adaptation in the human saccadic system
PBIO	Ovechkina	Yulia	Wordeman	8/20/2004	Microtubule destabilizing activity of a kinesin related protein
MSTP	Mazurek	Mark	Shadlen	8/20/2004	Influence of prior portability on decision-making in a motion discrimination task
PBIO	Field	Greg	Rieke	8/20/2004	The limits to absolute visual sensitivity
PBIO	Krasnow	Stephanie	Steiner	11/30/2004	Galanin-like peptide: a molecular link between energy homeostasis and reproduction
NEUBEH	Knight	Thomas	Fuchs	3/15/2005	The role of the Frontal Eye Field in Coordinated Eye-head Gaze Shifts in the Rhesus Monkey
NEUBEH	Kanning	Kevin	Bothwell	5/31/2005	Characterization of the p75NTR/NRH Subfamily
PBIO	Moore	Ayana	Wordeman	5/31/2005	Exploring regions outside of the motor domain
NEUBEH	Patel	Leena	Rubel	8/19/2005	Functional Changes in Pyramidal Neurons Surviving an Excitotoxic Challenge in Mouse Organotypic Slice Cultures
MCB	Hatch	Nan	Bothwell	8/31/2005	Fibroblast Growth Factor Signaling and the Molecular Etiology of Craniosynostosis
NEUBEH	Allred	Sarah	Jagadeesh	3/17/2006	The Neural Basis of Visual Object Perception
NEUBEH	Stein	Alexander	GordonS	3/17/2006	Nerve growth factor produces hyperalgesia through phosphoinositide 3-kinase-dependent recruitment of TRPV1 ion channels
PBIO	Carlson	Anne	Hille	5/31/2006	Signaling mechanisms of mouse sperm capacitation
NEUBEH	Craven	Kimberly	Zagotta	6/9/2006	Structural rearrangements during gating in cyclic-nucleotide modulated channels
NEUBEH	Sorensen	Staci	Rubel	6/30/2006	Afferent input regulates dendritic structure in nucleus laminaris
NEUBEH	Sebe	Joy	Berger	12/15/2006	Development, generation and origin of synchronous oscillations in the brainstem respiratory network
NEUBEH	Harris	Julie	Rubel	12/15/2006	The molecular basis of a critical period for afferent input-dependent neuron survival in mouse cochlear nucleus
NEUBEH	Ruffo	Mark	Anderson	3/16/2007	The role of the corticothalamic projection in the primate motor thalamus
NEUBEH	Lauckner	Jane	Hille	3/16/2007	Cannabinoid receptor signaling pathways
NEUBEH	Davenport	Christopher	Detwiler	5/31/2007	Color opponency and horizontal cell feedback in the primate retina
NEUBEH	Margolis	David	Detwiler	5/31/2007	Active properties of retinal ganglion cells
PBIO	Schuh	Sonya	Hille	6/30/2007	Signaling pathways of mammalian sperm capacitation
NEUBEH	Dunn	Felice	Rieke	8/17/2007	Gain control of rod and cone vision in the mammalian retina
PBIO	Hua	Li	GordonS	8/17/2007	Phosphatidylinositol C4, 5-biophosphate (PIP2) modulation of TRPV1 and functional interactions between A-helices in the C-linkers of open CNGchannels
PBIO	Daigle	Tanya	Mackie	9/30/2007	Rapid CB1 cannabinoid receptor desensitization defines the time course of ERK1/2 MAP kinase signaling
NEUBEH	Ting	Jonathan	Sullivan	9/30/2007	Molecular mechanisms of synapse dysfunction: modeling neurological disease by viral-mediated protein overexpression in mammalian CNS neurons
PBIO	Slee	Sean	Spain	12/15/2007	Tonotopic tuning in a sound localization circuit
NEUBEH	Doan	Thuy	Rieke	12/31/2007	Mammalian rod's single photon responses: what do they tell us about rapid and reliable GPCR inactivation
PBIO	Steen	Michelle	Froehner	2/29/2008	Analyses of alpha-dystrobrevin-null mice implicate Niemann-Pick C1 in muscular dystrophy
PBIO	Howard	MacKenzie	Rubel	3/15/2008	Mechanisms and function of depolarizing inhibition in the avian cochlear nucleus
MSTP	Lundstrom	Brian	Fairhall/Spain	6/15/2008	The response of single neurons to varying stimulus statistics
MSTP	Sakano	Hitomi	Buck	6/15/2008	Odorant receptor associated proteins and axon pathfinding in the mouse
PBIO	Postupna	Nadiya	Anderson	8/18/2008	Bursting and oscillations in the thalamus of normal and Parkinsonian monkey

PBIO	Rankin	Kathleen	Wordeman	8/31/2008	Microtubule stability and cell cortex: The role of MCAK in microtubule-cortex interactions
PBIO	Jensen-Bodily	Jill	Hille	12/15/2008	Kinetics of muscarinic modulation of M current
PBIO	Dungan-Lemko	Heather	Steiner	12/15/2008	The role of Kisspeptin and neurotensin signaling in the central regulation of gonadotropin secretion
PBIO	Cooper	Jeremy	Wordeman	12/31/2008	Dynamic in vitro characterization of the microtubule depolymerase, MCAK
PBIO	Shuart	Noah	Zagotta	6/7/2009	Role of C-terminal region in Heteromeric assembly of cyclic nucleotide-gated channels
PBIO	Lucas	Timothy	Fetz	7/15/2009	Activity-dependent intracortical microstimulation induces representational plasticity in the motor cortex of awake, behaving macaques
NEUBEH	Hanks	Timothy	Shadlen	12/18/2009	Neural computations underlying decision formation in a motion discrimination
PBIO	Meabon	James	Bothwell	4/15/2010	Function and characterization of LINGO-1
NEUBEH	Kuznetsova	Marina	Spain	6/11/2010	Adaptation of sound localization precision - from an ion channel to perception
NEUBEH	Mease	Rebecca	Fairhall	8/20/2010	Reduced models of a single neuron intrinsic computation
